CAM SWITCHES

LW51

10 / 16 / 20 A Cam Switches

Control | Measurement | Key-operated switching







10 / 16 / 20 A	22.5 to 90 deg	UP TO 16	IEC 60947-5-1
CURRENT FRAMES	OPERATING ANGLES	CONTACT SECTIONS	REFERENCE STANDARD

JIANGSU ACXION ELECTRIC CO., LTD.
www.acxionelectric.com

LW51 Cam Switch Platform

A configurable rotary platform for control, measurement and machine functions.

THREE REPRESENTATIVE CONFIGURATIONS



CONTROL

LW51A-16

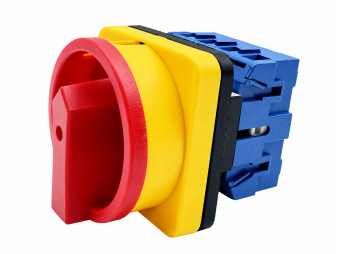
General rotary control



KEY CONTROL

LW51D-16(20)/Y(G)

Restricted operation



MAIN / ISOLATING

LW51E-25/GH

Power circuit switching

10 / 16 / 20 A	22.5 to 90 deg	Up to 16	IEC 60947-5-1
CURRENT FRAMES	OPERATING ANGLES	SECTIONS	STANDARD

Core configuration choices

01 Switch positions

02 Maintained or spring return

03 Mounting structure

04 Panel and marking

05 Handle or key

06 Contact programme

Select by Duty, Then Configure

A short selection path keeps electrical duty separate from appearance and panel options.

01 DUTY — 02 POSITIONS — 03 ANGLE — 04 MOUNTING — 05 CONTACTS

Electrical ratings

CURRENT FRAMES	10 A / 16 A / 20 A
RATED INSULATION VOLTAGE	Up to 660 V; model dependent
CONTROL SUPPLY	Up to 380 V AC, 50/60 Hz or 220 V DC
POWER-FREQUENCY WITHSTAND	2,500 V AC RMS for 1 minute
STANDARD	GB/T 14048.5 / IEC 60947-5-1

Operating conditions

- Altitude up to 2,000 m
- Humidity <= 90%
- Category III
- Pollution degree 3
- -25 deg C to +55 deg C

Service life

AC ELECTRICAL	200,000
DC ELECTRICAL	100,000
MECHANICAL	500,000

ENGINEERING RULE

Select the electrical duty first. Panel, key, indication and marking options are applied only after the base function is confirmed.

Standard & Compact Platforms

Five core models arranged by construction family.

COMPACT / A TYPE

General and key-operated platform



LW51A2-10

Compact screw-mounted

30/45/90 deg - 8 sections



LW51A-16

Standard A type

30/45/90 deg - 12 sections



LW51A-16/Y

Key-operated A type

30/45/90 deg - 8 sections

B / C TYPE

Alternative panel structures



LW51B-16

Standard B type

30/45/90 deg - 12 sections



LW51C-16

Standard C type

22.5/30/45/90 deg - 16 sections

D/E Panel, Key & Mounting Options

Operator style and installation are treated as configuration choices.

STANDARD / INDICATION

D and E panel platforms



LW51D-16(20)

Standard D type

22.5-90 deg - up to 12



LW51E-16(20)

Standard E type

22.5-90 deg - up to 12



LW51D-16(20)/D

Illuminated D type

30/45/90 deg - up to 8

KEY OPERATED

Panel and centre key options



LW51D-16(20)/Y

Key-operated D type

30/45/90 deg - 8 sections



LW51D-16(20)/CY/YS

Key mounting options

30-90 deg - model dependent



LW51E-16(20)/YS

Panel key E type

22.5-90 deg - up to 12

INSTALLATION

Alternative mounting styles



LW51D-16(20)/C

Centre-mounted

22.5-90 deg - up to 12



LW51D-16(20)/CW

Single-hole, no panel

22.5-90 deg - up to 12

G Panels, Rear-Wiring & Main Switches

Advanced panel structures are grouped by purpose, not by minor cosmetic variation.

G PANEL

Large, marked and indicated panels



LW51D/E...(G)

Standard G panel

3- or 5-hole mounting



LW51D.../C(G)

Centre-mounted G

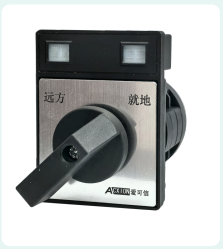
22.5-90 deg



LW51D/E.../Y(G)

Key-operated G

Key coding available



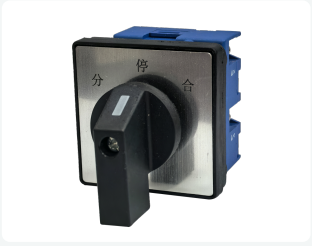
LW51D.../D1/Q(G)

Indicator G panel

Two or three indicators

REAR WIRING

H-family configurations



LW51D.../H

Rear-wiring D

22.5-90 deg



LW51D.../HY

Rear-wiring key

Key coding available



LW51D.../HD

Illuminated rear-wiring

30-90 deg

MAIN / ISOLATING

Red/yellow GH handles



LW51E

25 / 32 9C3P / 9C4P

Isolating switch family

3-pole / 4-pole - OFF 0 / ON 90 deg



LW51E

40 / 63 9C3P / 9C4P

Main switch family

3-pole / 4-pole - OFF 0 / ON 90 deg

Define the Switching Function

Four practical choices are enough for ACXION to configure the operating mechanism and contact sequence.

1 Choose the operating behaviour

MAINTAINED

The handle stays at the selected position.

SPRING RETURN

The handle returns automatically after release.

2 Confirm positions and operating angle

2 positions

0 / 90 deg

3 positions

-45 / 0 / +45 deg

Model options

22.5 / 30 / 45 / 60 / 90 deg

3 Tell us which terminals close at each position

Example only - the final contact diagram is confirmed for the selected model.

CIRCUIT	LEFT (-45 deg)	CENTRE (0 deg)	RIGHT (+45 deg)
Circuit A	1-2 closed	Open	Open
Circuit B	Open	Open	3-4 closed
Circuit C	Open	5-6 closed	Open

4 Complete the visible configuration

- A **Handle behaviour**
- B **Positions and angle**
- C **Terminal sequence**
- D **Panel, handle or key**

If no contact diagram is available, send the required machine action and ACXION will propose the sequence.

What to Specify

Send the operating requirement first; ACXION confirms the final code and model-level drawing.

Ordering information

01 **Electrical duty**
Current, voltage and circuit type

02 **Positions and angle**
Required positions and rotation angle

03 **Operating function**
Maintained or spring-return logic

04 **Mounting and panel**
Fixing method, panel and marking

05 **Operator**
Handle, key, LED or interlock

06 **Contact sequence**
Standard or custom programme

Mounting structures

Screw-mounted	A2 / A / B / C
Centre-mounted	D/C and D/CY
Single-hole	D/CW
Large / marked panel	D/E (G)
Rear-wiring	D/H
Main / isolating	E/GH

Supplied during technical confirmation

Final order code, model-level outline drawing, confirmed contact diagram, key logic and panel artwork.

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Continue the Conversation

For model selection, quotation support or technical questions, contact our export team.

MANUFACTURED BY

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SCAN TO VISIT WEBSITE

Need help with model selection?

Send us the rated current, handle angle, contact diagram, panel marking and required installation style. We can help confirm the appropriate configuration.

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